

# Neptun.18 – Product Specification



## Univers – Classics among rope playground equipment

Net structures offer hours of fun and adventure on several levels – climbing and swinging, up and down, horizontally and vertically – space on earth.

The original spatial nets: Born over 40 years ago as a play concept, continuously further developed in form and detail, still popular even after several generations.

### Neptun.18 – At a glance.

Product Family:	<b>Univers</b>	Number of Foundations:	<b>6 pc.</b>
Item Number:	<b>90.141.103</b>	Concrete Volume C20/C25:	<b>3.65 m<sup>3</sup> (129 ft<sup>3</sup>)</b>
Children's Age:	<b>5+</b>	Number of skilled installers required:	<b>4</b>
Fall Height (DIN EN 1176):	<b>2.50 m (8'-3")</b>	Installation Time without foundation:	<b>8 hours</b>
Length x Width x Height:	<b>10.4 m x 5.4 m x 6.6 m (34'-0" x 17'-8" x 21'-6")</b>	Dimensions of largest part:	<b>9.0 m x 2.3 m x 2.1 m (29'-7" x 7'-7" x 6'-11")</b>
Protective Surfacing Area (DIN EN 1176):	<b>13.8 m x 10.0 m</b>	Weight of heaviest part:	<b>160 kg (353 lbs)</b>
Protective Surfacing Area (ASTM 1487):	<b>15.6 m x 12.1 m (51'-2" x 39'-9")</b>	Shipping Volume:	<b>Upon request</b>
Minimum space required DIN EN 1176:	<b>96.9 m<sup>2</sup></b>	Spare part guarantee:	<b>Lifelong</b>
Minimum space required ASTM 1487:	<b>121.0 m<sup>2</sup> (1,302.4 sf)</b>		

  
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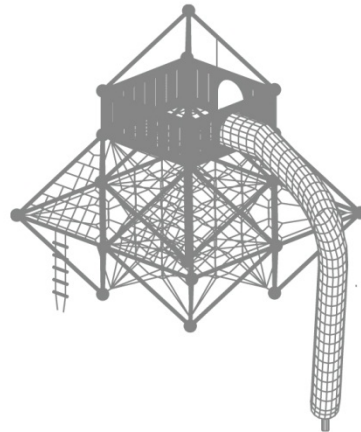
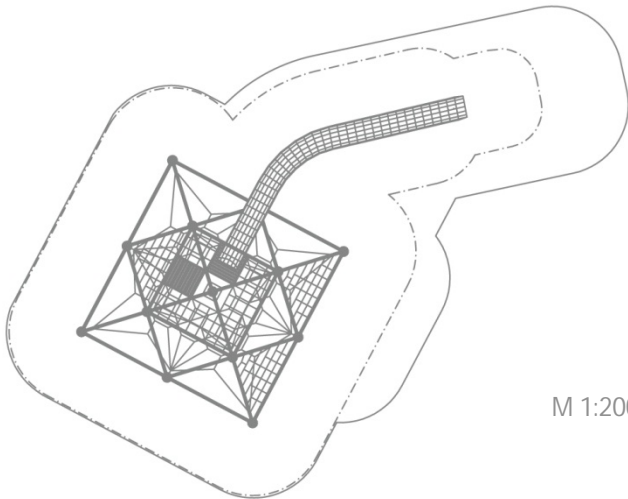
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## Technical Data.

The following text can also be used for tenders.

- Neptun
- Access net
- Rope ladder
- Curved tube slide

### Members:

Framework-steel tubes,  $\varnothing$  2 3/8" (60.3 mm); anticorrosion treatment and color finish: sandblasting and epoxy-/polyester-powdercoating.

### Nodes:

Framework-aluminum ball connectors,  $\varnothing$  9-13/16" (250 mm); anticorrosion treatment and color finish: sandblasting and epoxy-/polyester-powdercoating; incorporating the unique Astem TT net tensioning system, securely closed with durable ebonite caps.

### Ropes:

U-Rope-round strand ropes with galvanized steel cores,  $\varnothing$  5/8" (16 mm); external strands are covered with high abrasion resistant and UV-resistant polyester-yarn.

### Spatial netting:

Rope crossing points localized by durable, drop forged aluminum-cloverleaf rings; in situ-replaceable rope lines (no special tools required).

### Planar netting:

Rope crossing points localized by durable, drop forged aluminum-ballknots (no plastic).

### HDPE Platten:

HDPE plates as wall panels made of abrasion-proofed plastic (t=19mm; t=3/4").

### Access net:

Access net, width 1500mm (59-1/16"), mesh width 250 x 250mm, connected to horizontal member of module with cast aluminum rope clamps. Fixed to the ground with two foundation brackets attached to a horizontal pipe.

### Rope ladder:

Width 290 mm (11-7/16"), distance between rungs 250-300 mm (9-13/16" to 11-13/16"), rungs comprised of Nylon 6.6, connected to horizontal member of net structure with cast aluminum rope clamps, fixed to the ground with a galvanized anchor plate.

### Curved slide:

Attached to one of the entrance panels, comprised of plastic or stainless steel AISI304 (DIN 1.4301) with 51,5°-curve; Start height 3550mm (11- 7 3/4"); equipped with BSF-start bracket and one support.

  
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